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OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/865,198

DATE: 06/12/2001
 TIME: 13:14:54

Input Set : A:\es.txt
 Output Set: N:\CRF3\06122001\I865198.raw

4 <110> APPLICANT: Zhu, Zhenping
 6 <120> TITLE OF INVENTION: Bispecific Immunoglobulin-Like Antigen Binding Proteins and
 Method of
 7 Production
 9 <130> FILE REFERENCE: 11245/47102
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/865,198
 12 <141> CURRENT FILING DATE: 2001-05-24
 13 <150> PRIOR APPLICATION NUMBER: US 60/206,749
 14 <151> PRIOR FILING DATE: 2000-05-24
 16 <160> NUMBER OF SEQ ID NOS: 34
 17 <170> SOFTWARE: WordPerfect 8.0 for Windows
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 10
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Mouse
 25 <400> SEQUENCE: 1
 27 Gly Phe Asn Ile Lys Asp Phe Tyr Met His
 28 1 5 10
 31 <210> SEQ ID NO: 2
 32 <211> LENGTH: 17
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Mouse
 36 <400> SEQUENCE: 2
 38 Trp Ile Asp Pro Glu Asn Gly Asp Ser Gly Tyr Ala Pro Lys Phe Gln
 39 1 5 10 15
 41 Gly
 42 17
 45 <210> SEQ ID NO: 3
 46 <211> LENGTH: 8
 47 <212> TYPE: PRT
 48 <213> ORGANISM: Mouse
 50 <400> SEQUENCE: 3
 52 Tyr Tyr Gly Asp Tyr Glu Gly Tyr
 53 1 5
 55 <210> SEQ ID NO: 4
 56 <211> LENGTH: 10
 57 <212> TYPE: PRT
 58 <213> ORGANISM: Mouse
 60 <400> SEQUENCE: 4
 62 Ser Ala Ser Ser Ser Val Ser Tyr Met His
 63 1 5 10
 66 <210> SEQ ID NO: 5
 67 <211> LENGTH: 7
 68 <212> TYPE: PRT
 69 <213> ORGANISM: Mouse
 71 <400> SEQUENCE: 5
 73 Ser Thr Ser Asn Leu Ala Ser
 74 1 5

ENTERED

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77 <210> SEQ ID NO: 6
78 <211> LENGTH: 9
79 <212> TYPE: PRT
80 <213> ORGANISM: Mouse
82 <400> SEQUENCE: 6
84   Gln Gln Arg Ser Ser Tyr Pro Phe Thr
85     1           5
88 <210> SEQ ID NO: 7
89 <211> LENGTH: 117
90 <212> TYPE: PRT
91 <213> ORGANISM: Mouse
93 <400> SEQUENCE: 7
95   Gln Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Gly Ser Gly Ala
96     1           5           10           15
98   Ser Val Lys Leu Ser Cys Thr Thr Ser Gly Phe Asn Ile Lys Asp Phe
99           20           25           30
101   Tyr Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile
102           35           40           45
104   Gly Trp Ile Asp Pro Glu Asn Gly Asp Ser Gly Tyr Ala Pro Lys Phe
105           50           55           60
107   Gln Gly Lys Ala Thr Met Thr Ala Asp Ser Ser Ser Asn Thr Ala Tyr
108           65           70           75           80
110   Leu Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
111           85           90           95
113   Asn Ala Tyr Tyr Gly Asp Tyr Glu Gly Tyr Trp Gly Gln Gly Thr Thr
114           100           105           110
116   Val Thr Val Ser Ser
117           115
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 108
122 <212> TYPE: PRT
123 <213> ORGANISM: Mouse
125 <400> SEQUENCE: 8
127   Asp Ile Glu Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
128     1           5           10           15
130   Glu Lys Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met
131           20           25           30
133   His Trp Phe Gln Gln Lys Pro Gly Thr Ser Pro Lys Leu Trp Ile Tyr
134           35           40           45
136   Ser Thr Ser Asn Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
137           50           55           60
139   Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Arg Met Glu Ala Glu
140           65           70           75           80
142   Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Arg Ser Ser Tyr Pro Phe Thr
143           85           90           95
145   Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys Arg Ala
146           100           105
149 <210> SEQ ID NO: 9
150 <211> LENGTH: 30

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151 <212> TYPE: DNA
152 <213> ORGANISM: Mouse
154 <400> SEQUENCE: 9
156   ggcttcaaca ttaaagactt ctatatgcac      30
159 <210> SEQ ID NO: 10
160 <211> LENGTH: 51
161 <212> TYPE: DNA
162 <213> ORGANISM: Mouse
164 <400> SEQUENCE: 10
166   tggattgata ctgagaatgg tgattctggt tatgccccga agttccaggg c      51
169 <210> SEQ ID NO: 11
170 <211> LENGTH: 24
171 <212> TYPE: DNA
172 <213> ORGANISM: Mouse
174 <400> SEQUENCE: 11
176   tactatggtg actacgaagg ctac      24
179 <210> SEQ ID NO: 12
180 <211> LENGTH: 30
181 <212> TYPE: DNA
182 <213> ORGANISM: Mouse
184 <400> SEQUENCE: 12
186   agtgccagct caagtgttaag ttacatgcac      30
189 <210> SEQ ID NO: 13
190 <211> LENGTH: 21
191 <212> TYPE: DNA
192 <213> ORGANISM: Mouse
195 <400> SEQUENCE: 13
197   agcacatcca acctggcttc t      21
200 <210> SEQ ID NO: 14
201 <211> LENGTH: 27
202 <212> TYPE: DNA
203 <213> ORGANISM: Mouse
205 <400> SEQUENCE: 14
207   cagcaaagga gtagttaccc attcacg      27
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211 <211> LENGTH: 351
212 <212> TYPE: DNA
213 <213> ORGANISM: Mouse
215 <400> SEQUENCE: 15
217   cagggtcaagc tgcagcagtc tggggcagag cttgtggggt caggggcctc agtcaaattg      60
218   tcctgcacaa cttctggctt caacattaaa gacttctata tgcactgggt gaagcagagg      120
219   cctgaacagg gcctggagtg gattggatgg attgatcctg agaatgggtga ttctggttat      180
220   gccccgaagt tccagggcaa ggccaccatg actgcagact catcctcaa cacagcctac      240
221   ctgcagctca gcagcctgac atctgaggac actgccgtct attactgtaa tgcatactat      300
222   ggtgactacg aaggctactg gggccaaggg accacggtca cegtctcctc a      351
225 <210> SEQ ID NO: 16
226 <211> LENGTH: 324
227 <212> TYPE: DNA
228 <213> ORGANISM: Mouse

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230 <400> SEQUENCE: 16
232  gacatcgagc tcactcagtc tccagcaatc atgtctgcat ctccagggga gaaggtcacc 60
233  ataacctgca gtgccagctc aagtgttaagt tacatgcact ggttccagca gaagccaggc 120
234  acttctccca aactctggat ttatagcaca tccaacctgg cttctggagt cctgctcgc 180
235  ttcagtggca gtggatctgg gacctcttac tctctcacia tcagccgaat ggaggctgaa 240
236  gatgctgcc aattattactg ccagcaaagg agtagttacc cattcacgtt cggctcgggg 300
237  accaagctgg aaataaaaacg ggcg 324
240 <210> SEQ ID NO: 17
241 <211> LENGTH: 15
242 <212> TYPE: PRT
243 <213> ORGANISM: Mouse
245 <400> SEQUENCE: 17
247  Gly Gly Gly Gly Ser Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
248  1 5 10 15
251 <210> SEQ ID NO: 18
252 <211> LENGTH: 45
253 <212> TYPE: DNA
254 <213> ORGANISM: Mouse
256 <400> SEQUENCE: 18
258  ggtggaggcg gttcaggcgg aggtggctct ggcggaggcg gatcg 45
261 <210> SEQ ID NO: 19
262 <211> LENGTH: 10
263 <212> TYPE: PRT
264 <213> ORGANISM: Mouse
266 <400> SEQUENCE: 19
268  Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
269  1 5 10
272 <210> SEQ ID NO: 20
273 <211> LENGTH: 15
274 <212> TYPE: DNA
275 <213> ORGANISM: Mouse
277 <400> SEQUENCE: 20
279  ggtggaggcg gttca 15
282 <210> SEQ ID NO: 21
283 <211> LENGTH: 17
284 <212> TYPE: PRT
285 <213> ORGANISM: Mouse
287 <400> SEQUENCE: 21
289  Trp Ile Asp Pro Glu Asn Gly Asp Ser Asp Tyr Ala Pro Lys Phe Gln
290  1 5 10 15
292  Gly
293  17
296 <210> SEQ ID NO: 22
297 <211> LENGTH: 117
298 <212> TYPE: PRT
299 <213> ORGANISM: Mouse
301 <400> SEQUENCE: 22
303  Gln Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Gly Ser Gly Ala
304  1 5 10 15

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306 Ser Val Lys Leu Ser Cys Thr Thr Ser Gly Phe Asn Ile Lys Asp Phe
307          20          25          30
309 Tyr Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile
310          35          40          45
312 Gly Trp Ile Asp Pro Glu Asn Gly Asp Ser Asp Tyr Ala Pro Lys Phe
313          50          55          60
315 Gln Gly Lys Ala Thr Met Thr Ala Asp Ser Ser Ser Asn Thr Ala Tyr
316          65          70          75          80
318 Leu Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
319          85          90          95
321 Asn Ala Tyr Tyr Gly Asp Tyr Glu Gly Tyr Trp Gly Gln Gly Thr Thr
322          100          105          110
324 Val Thr Val Ser Ser
325          115
328 <210> SEQ ID NO: 23
329 <211> LENGTH: 106
330 <212> TYPE: PRT
331 <213> ORGANISM: Mouse
333 <400> SEQUENCE: 23
335 Asp Ile Glu Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
336    1          5          10          15
338 Glu Lys Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Met
339          20          25          30
341 His Trp Phe Gln Gln Lys Pro Gly Thr Ser Pro Lys Leu Trp Ile Tyr
342          35          40          45
344 Ser Thr Ser Asn Leu Ala Ser Gly Val Pro Ala Arg Phe Ser Gly Ser
345          50          55          60
347 Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile Ser Arg Met Glu Ala Glu
348          65          70          75          80
350 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Arg Ser Ser Tyr Pro Phe Thr
351          85          90          95
353 Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
354          100          105
357 <210> SEQ ID NO: 24
358 <211> LENGTH: 51
359 <212> TYPE: DNA
360 <213> ORGANISM: Mouse
362 <400> SEQUENCE: 24
364 tggattgatc ctgagaatgg tgattctgat tatgccccga agttccaggg c      51
367 <210> SEQ ID NO: 25
368 <211> LENGTH: 351
369 <212> TYPE: DNA
370 <213> ORGANISM: Mouse
372 <400> SEQUENCE: 25
374 cagggtcaagc tgcagcagtc tggggcagag cttgtggggt caggggcctc agtcaaattg      60
375 tcctgcacaa cttctggctt caacattaaa gacttctata tgcactgggt gaagcagagg      120
376 cctgaacagg gcctggagtg gattggatgg attgatcctg agaatgggtga ttctgattat      180
377 gccccgaagt tccagggcaa ggccaccatg actgcagact catcctccaa cacagcctac      240
378 ctgcagctca gcagcctgac atctgaggac actgccgtct attactgtaa tgcatactat      300

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VERIFICATION SUMMARY

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number